

GCSE RESISTANT MATERIALS

ABOUT THE SUBJECT

Are you interested in finding out how things are designed and manufactured? Do you want to be the next Robert Dyson? Do you enjoy designing products, modelling prototypes and manufacturing in a range of materials? This course offers you the opportunity to develop all of these skills as well as evaluating products currently available to the consumer.

WHAT WILL I LEARN TO DO?

Over the three years there will be an emphasis on designing and manufacturing of products.

Year 9: You will learn the skills of investigating, designing and making various products based on core principles and techniques. Skills such as designing packaging, furniture and toys will be explored.

Year 10: You will develop knowledge and skills in a variety of industrial processes, tools and computer aided design/manufacturing techniques through practice assignments.

Year 11: You will need to prepare for the written exam paper, demonstrating your knowledge, skills and understanding. You will need to undertake research, marketing, consumer protection and use this information to help you design and make your final product. You will be expected to analyse and evaluate your final product and produce a portfolio for submission.

WHAT SKILLS DO I NEED?

Analytical skills

Planning skills

Thinking Skills

Evaluation skills

Making skills

Self-reflective skills

ASSESSMENT

Product Design is assessed in two different ways:-

Written exam – 50% (2 hours)

Coursework - 50% (Controlled assessment to be completed in Year 11)

BEYOND YEAR 11?

Designer, Fashion Design, Engineering, Graphic Design, Textiles Technology, Architecture, Theatre Lighting, Industrial Design, Furniture Design, Interior Architecture, Surface Design, Prosthetics Design, Materials Science, Mechanical Engineering, Structural Engineering, Film Design, Vehicle Design, Stage Design, Urban Planning, Lighting Design, Civil Engineering, Software Engineering, Sign making, Naval Architecture, Design Engineering, Medical Engineering, Special effects work, Packaging Design, Landscape Architecture,